Performance Data Sheet

RGA5512EXV

General Information

Model	RGA5512EXV	**Refrigerant**	R-22
Test Condition	ASHRAE	**Performance Test Voltage**	265V ~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	PSC

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
-15	Btu/h	4140	3830					
	Watts	570	633					
	Amps	2.26	2.40					
	Lb/h	53.7	51.4					
-10	Btu/h	4650	4340	4030				
	Watts	581	645	700				
	Amps	2.32	2.47	2.63				
	Lb/h	60.0	58.0	55.9				
-5	Btu/h	5240	4930	4600	4270			
	Watts	593	658	715	767			
	Amps	2.37	2.53	2.71	2.88			
	Lb/h	67.1	65.3	63.4	61.5			
0	Btu/h	5900	5580	5240	4880	4530		
	Watts	605	671	731	785	836		
	Amps	2.41	2.59	2.78	2.97	3.17		
	Lb/h	75.0	73.4	71.7	69.9	68.0		
5	Btu/h	6640	6300	5940	5560	5180		
	Watts	616	685	746	804	858		
	Amps	2.45	2.65	2.85	3.06	3.28		
	Lb/h	83.8	82.4	80.7	79.0	77.1		
10	Btu/h	7460	7100	6710	6300	5880	5460	5050
	Watts	627	697	762	822	881	940	1000
	Amps	2.48	2.69	2.91	3.14	3.38	3.62	3.87
	Lb/h	93.4	92.1	90.6	88.8	86.8	84.8	82.7
15	Btu/h	8350	7960	7550	7100	6650	6180	5720
	Watts	636	708	776	840	903	967	1030
	Amps	2.51	2.73	2.97	3.21	3.47	3.73	4.00
	Lb/h	104	103	101	99.3	97.3	95.1	92.7
20	Btu/h	9320	8910	8450	7970	7470	6950	6440
	Watts	642	717	788	856	924	994	1070
	Amps	2.52	2.76	3.01	3.28	3.55	3.83	4.13
	Lb/h	115	114	113	111	108	106	103

25	Btu/h	10400	9920	9430	8900	8350	7780	7210
	Watts	647	724	798	871	944	1020	1100
	Amps	2.52	2.78	3.05	3.33	3.62	3.93	4.24
	Lb/h	127	126	125	123	120	118	115
30	Btu/h	11500	11000	10500	9900	9290	8660	8020
	Watts	648	728	806	883	961	1040	1130
	Amps	2.52	2.79	3.07	3.37	3.69	4.01	4.35
	Lb/h	140	139	138	136	133	130	127
35	Btu/h	12700	12200	11600	11000	10300	9600	8900
	Watts	645	729	811	892	975	1060	1160
	Amps	2.50	2.78	3.09	3.40	3.74	4.09	4.45
	Lb/h	154	153	151	149	146	143	139
40	Btu/h	14000	13400	12800	12100	11400	10600	9820
	Watts	638	726	812	898	987	1080	1180
	Amps	2.47	2.77	3.09	3.42	3.78	4.15	4.53
	Lb/h	169	168	166	164	160	157	153
45	Btu/h	15400	14800	14100	13300	12500	11700	10800
	Watts	627	718	808	900	995	1090	1200
	Amps	2.42	2.74	3.07	3.43	3.80	4.20	4.61
	Lb/h	185	183	181	179	175	171	167
50	Btu/h	16900	16200	15400	14600	13700	12800	11800
	Watts	610	705	800	897	998	1100	1220
	Amps	2.36	2.69	3.05	3.42	3.81	4.23	4.66
	Lb/h	201	200	198	195	191	186	181
55	Btu/h	18500	17700	16800	15900	15000	14000	12900
	Watts	587	687	787	890	997	1110	1230
	Amps	2.28	2.63	3.00	3.39	3.81	4.25	4.71
	Lb/h	219	217	215	211	207	202	197

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	6.792778E+03	-4.311627E+02	1.176585E+00	7.504706E+01
C2	1.296011E+02	4.922077E+00	-2.703305E-03	8.452771E-01
C3	1.801636E+01	2.095475E+01	1.242388E-02	2.142726E-01
C4	2.341303E+00	-5.077913E-02	-1.552829E-04	2.224187E-02
C5	4.811961E-01	-8.879316E-02	1.369301E-05	1.590399E-02
C6	-4.773360E-01	-1.269112E-01	4.267503E-05	-3.500017E-03
C7	1.823203E-03	-7.074363E-04	-1.381383E-06	9.792445E-06
C8	-1.044966E-02	5.122864E-04	4.254322E-07	-6.978394E-05
C9	-4.370848E-03	7.092056E-04	1.568986E-06	-7.042559E-05
C10	1.416476E-03	3.356687E-04	-6.391125E-08	1.022649E-05

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature